

VERMONT AGENCY OF NATURAL RESOURCES  
**STREAM ALTERATION INDIVIDUAL PERMIT APPLICATION**

10 VSA, CHAPTER 41, SUBCHAPTER 2

Applicant Name Hydro Energies Corporation  
Mailing Address One Tech Drive, Suite 220  
Andover, MA 01810

<b>Agency Use Only</b>
Project # _____
Receipt Date _____

Phone 978-513-3451 Cell 978-284-9270 Email hans.vanlingen@enel.com  
Project Location: Town Hartford, VT Stream Ottawaquechee River Lat 43.641848°  
Nearby town highway or state route Route 4 **\*\*ATTACH MAP\*\*** Long -72.406656°

Project Description:  
Magnitude (length, volume, etc.) Approx 25'X25'X10 (300 cu. yd. conservative estimate)

Purpose Maintenance dredge to clear Hydroelectric Project intake of accumulated debris

Construction Procedure Will utilize a shore-based crane with clamshell dredge

Erosion/Sediment/Water Control Procedure Intake headgates will remain closed and turbidity curtain will contain dredge area. Upland spoils staging area will be fully contained by haybales and silt fence.

**ATTACH 2 COPIES :** layout plan, typical or surveyed cross sections, stream profile and pertinent hydraulic or hydrologic information

Consultant/Project Supervisor Mark Desotelle, EGPNA Phone (207) 432-6345 Email mark.desotelle@enel.com

Duration of In-stream construction (anticipated) 3 Days

Name and addresses of landowners and/or abutters adjacent to or across the stream from the project: Signatures are necessary if you intend to work on adjacent property or if the project will directly affect the property of others. Attach extra sheet, if needed.

Name US Army Corps of Engineers Address North Hartland Lake P.O. Box 55, North Hartland, VT 05052

Name \_\_\_\_\_ Address \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_

**\*\*APPLICANT MUST FILE COPY OF THIS APPLICATION WITH TOWN CLERK AND ADJOINERS\*\***

CERTIFICATION: I hereby certify that the information on this application is, to the best of my knowledge, true and accurate and that I have forwarded a copy of this application to the selectboard and town clerk of the town in which this project is to occur and to each landowner adjoining or across the stream from the project area as required in the Vermont Stream Alteration Rule. I recognize that by signing this application I am giving consent to employees of the State to enter the subject property for the purpose of processing this application and for ensuring the compliance with subsequent agency decisions relating to the project.

Print Full Name Hans P. van Lingen

Signature of Applicant 

Digital signed by Hans P. van Lingen  
DN: cn=Hans P. van Lingen, o=Enel Green Power North America, ou=ECRS,  
email=hans.vanlingen@enel.com, c=US  
Date: 2015.09.14 13:19:01 -0400

Date 9/14/2015

NOTE: A PERMIT MAY BE REQUIRED FROM THE US ARMY CORPS OF ENGINEERS. For information contact:  
US Army Corps of Engineers, VT Project Office, 11 Lincoln St - Rm210, Essex Jct VT 05452 802-872-2893


ENCLOSE \$225.00 APPLICATION FEE PAYABLE BY CHECK OR MONEY ORDER TO THE "STATE OF VERMONT"  
MUNICIPALITIES ARE EXEMPT FROM FEE



# Project Locus

Dewey's Mill Hydroelectric Project  
FERC # P-5313 VT

## Legend

 Dewey's Mill Hydroelectric Project



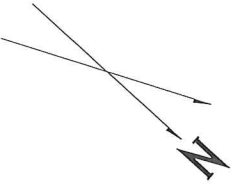
Google earth

© 2015 Google



NOT TO SCALE

OTTAUQUECHEE RIVER



FLOW

SILT SCREEN

BOAT BARRIER

GENERAL AREA  
TO BE DREDGED  
APPROX. 300 YDS.

HEADGATES (CLOSED)

INTAKE

PENSTOCK

POWERHOUSE

FLOW

TAILRACE

GATE

TEMPORARY DISPOSAL SITE

TRANSFORMER

CONTROL ROOM

To Route 4

DEWEY'S MILL RD

ACCESS GATE

# SITE PLAN

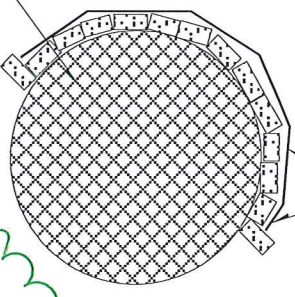
HYDRO ENERGIES CORPORATION

DEWEY'S MILLS

HYDROELECTRIC PROJECT

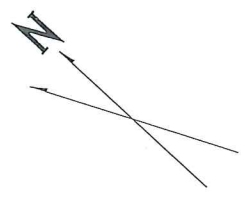
FERC NO. 5313-VT

QUECHEE, VERMONT



HAYBALES/SILT FENCE

NOT TO SCALE



OTTAUQUECHEE RIVER



BOAT BARRIER

SILT SCREEN

GENERAL AREA  
TO BE DREDGED  
APPROX. 300 YDS.

HEADGATES (CLOSED)

INTAKE

GATE

POWERHOUSE

PENSTOCK

TAILRACE

FLOW

HAYBALES/SILT FENCE

TEMPORARY DISPOSAL SITE

TRANSFORMER

CONTROL ROOM

To Route 4

DEWEY'S MILL RD

ACCESS GATE

SITE PLAN

HYDRO ENERGIES CORPORATION

DEWEY'S MILLS

HYDROELECTRIC PROJECT

FERC NO. 5313-VT


QUECHEE, VERMONT

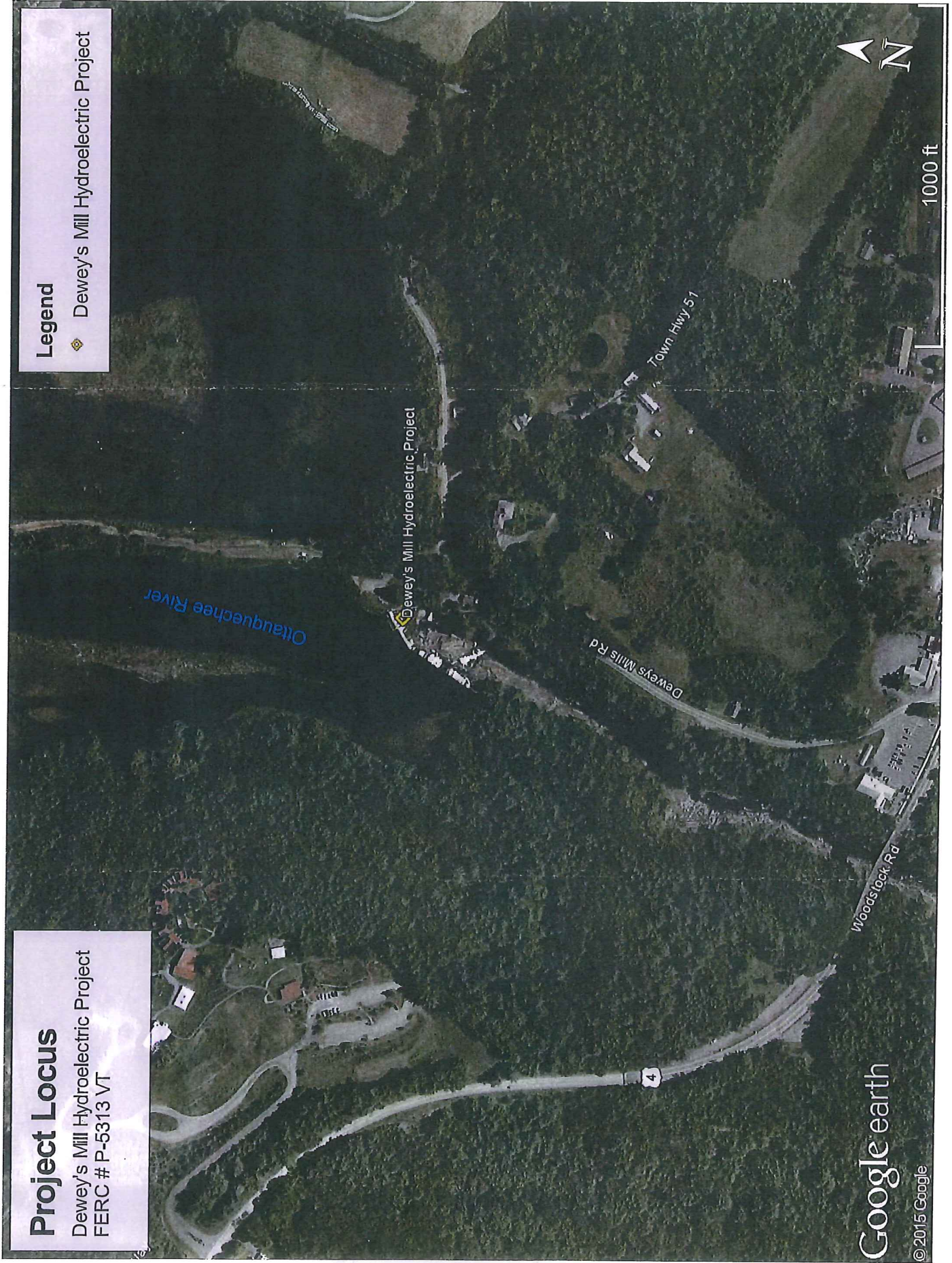


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Dewey's Mill Hydroelectric Project  
FERC # P-5313 VT

## Legend

 Dewey's Mill Hydroelectric Project



ENEL GREEN POWER NA, INC.  
ONE TECH DRIVE, SUITE 220  
ANDOVER, MA 01810

2100034 01 SD T 6155 01 -P00034

PAGE 1 OF 1

08/12/15



STATE OF VERMONT  
DEPT OF ENVIRONMENTAL CONSERV.  
1 NATIONAL LIFE DR, MAIN BLDG, FL 2  
MONTPELIER VT 05620

Enel Green Power				0000062588
Invoice Date	Invoice Number	Purchase Order Number	Description	Invoice Amount
08/06/15	PERMITFEE			\$225.00
Check Total				\$225.00



SD2100034-0001\_of\_0001 6155-0000034 (F23S)

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK # 0000062588 ATTACHED BELOW

ENEL GREEN POWER NA, INC.  
ONE TECH DRIVE, SUITE 220  
ANDOVER, MA 01810

62-20

311

CHECK NUMBER: 0000062588

CHECK DATE: 08/12/15

Two Hundred Twenty-five and 00/100 Dollars

PAY TO THE ORDER OF: STATE OF VERMONT  
DEPT OF ENVIRONMENTAL CONSERV.  
1 NATIONAL LIFE DR, MAIN BLDG, FL 2  
MONTPELIER VT 05620

\$\$\$\$\$\$\$\$\$\$\$\$225.00

AMTS.OVER \$10,000 REQUIRE TWO SIGNATURES

AUTHORIZED SIGNATURE

CITIBANK, N.A.  
ONE PENN'S WAY, NEW CASTLE, DE 19720

⑈0000062588⑈ ⑆031100209⑆

38799081⑈





**Green Power**

Enel Green Power North America, Inc.

One Tech Drive, Suite 220  
Andover, Massachusetts USA 01810  
T 978 681 1900 F 978 681 7727

**HYDRO ENERGIES CORPORATION**  
A SUBSIDIARY OF ENEL GREEN POWER NORTH AMERICA, INC.

September 14, 2015

Mr. Jeff Crocker  
Streamflow Protection Coordinator  
Vermont Agency of Natural Resources  
Department of Environmental Conservation  
Watershed Management Division  
1 National Life Drive, Main 2  
Montpelier VT 05620-3522



Re: Dewey's Mill Hydroelectric Project (FERC No. 5313-VT);  
Intake Maintenance Dredging

Dear Mr. Crocker:

Enclosed please find our Stream Alteration Permit Application for maintenance dredging of the intake at our Dewey's Mill Hydroelectric Project, an operating small hydroelectric facility on the Ottauquechee River in Windsor County, Vermont. The proposed dredging is necessary to clear the intake area of accumulated debris. The volume of material is estimated to be approximately 300 cubic yards based on the volumes generated during prior maintenance dredge which occurred in 2011 and in 2013.

This activity entails using a clamshell dredge from a shore-based crane to remove dredge spoils immediately upstream of the hydroelectric project's intake. The project headgates will be closed and the remaining area will be isolated by a full-depth turbidity curtain, with all inflow being passed over the adjacent dam spillway. Spoils will initially be placed on shore within a temporary detention area enclosed by staked silt fence and hay bales (see plan). Following dewatering, the dredge contractor will truck the spoils off-site for upland area disposal in compliance with all applicable regulations. Both water and land work areas are used regularly as part of hydroelectric facility operations, and the dredge activity itself has occurred bi-annually for many years. The information on the attached plan depicts the measures that we propose to implement to protect water quality and natural resources during dredging, which we expect to complete in an appropriate low-flow period, between October 15 and Nov 1, 2015.

We hope that this information adequately describes our proposed maintenance dredging at the site. Should you have any questions on this application, please don't hesitate to contact me by e-mail at [hans.vanlingen@enel.com](mailto:hans.vanlingen@enel.com) or by phone at 978-681-1900, x451.

Sincerely,

**HYDRO ENERGIES CORPORATION**

A handwritten signature in blue ink, appearing to read "Hans P. van Lingen".

Hans P. van Lingen  
Environmental Manager

Enclosure: Stream Alteration Individual Permit Application

cc: Town Clerk, Town of Hartford, Vermont  
U.S. Army Corps of Engineers, North Hartland Lake  
R. Bartlett, EGPNA  
R. Tomat, EGPNA  
M. Desotelle, EGPNA